Contents of Volume 13

Volume 13 No. 1 February 1991

P. J. FOX, N. R. GRINDLAY, and K. C. MACDONALD / The Mid-Atlantic Ridge (31°S–34°30′S): Temporal and Spatial Variations of Accretionary Processes 1

N. R. GRINDLAY, P. J. FOX, and K. C. MACDONALD / Second-Order Ridge Axis Discontinuities in the South Atlantic: Morphology, Structure, and Evolution 21

S. CARBOTTE, S. M. WELCH, and K. C. MACDONALD / Spreading Rates, Rift Propagation, and Fracture Zone Offset Histories during the Past 5 my on the Mid-Atlantic Ridge; 25°–27°30′ S and 31°–34°30′S 51

Volume 13 No. 2 May 1991

J. VERHOEF, B. J. COLLETTE, J. J. DAÑOBEITIA, H. A. ROESER, and W. R. ROEST / Magnetic Anomalies Off West-Africa (20–38° N) 81

R. DIETMAR MÜLLER, DAVID T. SANDWELL, BRIAN E. TUCHOLKE, JOHN G. SCLATER, and PETER R. SHAW / Depth to Basement and Geoid Expression of the Kane Fracture Zone: A Comparison 105

ADAM KLAUS and BRIAN TAYLOR / Submarine Canyon Development in the Izu-Bonin Forearc: A SeaMARC II and Seismic Survey of Aoga Shima Canyon 131

R. E. KIRK, K. ROBERTSON, R. B. WHITMARSH, and P. R. MILES / A Technique for Conducting Seismic Refraction Experiments on the Ocean Bed Using Bottom Shots 153

WILLIAM S. D. WILCOCK and DOUGLAS R. TOOMEY / Estimating Hypocentral Uncertainties for Marine Microearthquake Surveys: A Comparison of the Generalized Inverse and Grid Search Methods 161

Volume 13 No. 3 August 1991

N. C. MITCHELL / An Evolving Ridge System around the Indian Ocean Triple Junction 173

ROBERT P. DZIAK, CHRISTOPHER G. FOX, and ROBERT W. EMBLEY / Relationship between the Seismicity and Geologic Structure of the Blanco Transform Fault Zone 203

D. G. MASSON / Fault Patterns at Outer Trench Walls 209

W. W. WEPFER and N. I. CHRISTENSEN / Q Structure of the Oceanic Crust 227

S. L. FOLAMI and E. A. HAILWOOD / Magnetic Fabric Results from DSDP Holes 380A (Black Sea) and 524 (South Atlantic) Sediment Cores: A Case Study for the Comparison between Low and High Field Torque Magnetometer Measurements 239

Volume 13 No. 4 December 1991

A Note of Thanks iii

FERNANDO MARTINEZ, DAVID F. NAAR, THOMAS B. REED IV, and RICHARD N. HEY / Three-Dimensional SeaMARC II, Gravity, and Magnetics Study of Large-Offset Rift Propagation at the Pito Rift, Easter Microplate 255

DAVID F. NAAR, FERNANDO MARTINEZ, R. N. HEY, THOMAS B. REED IV, and SETH STEIN / Pito Rift: How a Large-Offset Rift Propagates 287

CAROL A. STEIN and DALLAS H. ABBOTT / Implications of Estimated and Measured Thermal Conductivity for Oceanic Heat Flow Studies 311

STEPHEN R. HAMMOND and DANIEL A. WALKER / Ridge Event Detection: T-Phase Signals from the Juan de Fuca Spreading Center 331

K. R. PEAL / The Accuracy of GOES Satellite Clocks 349

Volume Contents 353

Author Index 355

Author Index

Abbott, D. H. 311

Carbotte, S. 51
Christensen, N. I. 227
Collette, B. J. 81

Dañobeitia, J. J. 81
Dziak, R. P. 203

Embley, R. W. 203

Folami, S. L. 239
Fox, C. G. 203
Fox, P. J. 1, 21

Grindlay, N. R. 1, 21

Hailwood, E. A. 239
Hammond, S. R. 331
Hey, R. N. 255, 287

Kirk, R. E. 153
Klaus, A. 131

Macdonald, K. C. 1, 21, 51
Martinez, F. 255, 287
Masson, D. G. 209
Miles, P. R. 153
Mitchell, N. C. 173
Müller, R. D. 105

Naar, D. F. 255, 287

Peal, K. R. 349

Reed, T. B. 255, 287
Robertson, K. 153
Roeser, H. A. 81
Roest, W. R. 81

Sandwell, D. T. 105
Sclater, J. G. 105
Shaw, P. R. 105
Stein, C. A. 311
Stein, S. 287

Taylor, B. 131
Thomas, R. N. H. 287
Toomey, D. R. 161
Tucholke, B. E. 105

Verhoef, J. 81

Walker, D. A. 331
Welch, S. M. 51
Wepfer, W. W. 227
Whitmarsh, R. B. 153
Wilcock, W. S. D. 161